```
MMM         MMM     AAAAAAAAA       CCCCCCCCCCCC    RRRRRRRRRRR           000000000
MMM         MMM     AAAAAAAAA       CCCCCCCCCCCC    RRRRRRRRRRR           000000000
MMM         MMM     AAAAAAAAA       CCCCCCCCCCCC    RRRRRRRRRRR           000000000
MMMMMM   MMMMMM     AAA      AAA    CCC             RRR       RRR       000       000
MMMMMM   MMMMMM     AAA      AAA    CCC             RRR       RRR       000       000
MMM MMM MMM MMM     AAA      AAA    CCC             RRR       RRR       000       000
MMM  MMM    MMM     AAA      AAA    CCC             RRR       RRR       000       000
MMM  MMM    MMM     AAA      AAA    CCC             RRR       RRR       000       000
MMM         MMM     AAA      AAA    CCC             RRRRRRRRRRRR         000       000
MMM         MMM     AAA      AAA    CCC             RRRRRRRRRRR          000       000
MMM         MMM     AAAAAAAAAAAAAA  CCC             RRR   RRR           000       000
MMM         MMM     AAAAAAAAAAAAAA  CCC             RRR   RRR           000       000
MMM         MMM     AAAAAAAAAAAAAA  CCC             RRR   RRR           000       000
MMM         MMM     AAA      AAA    CCC             RRR       RRR       000       000
MMM         MMM     AAA      AAA    CCC             RRR       RRR       000       000
MMM         MMM     AAA      AAA    CCC             RRR       RRR       000       000
MMM         MMM     AAA      AAA    CCCCCCCCCCCC    RRR         RRR     000000000
MMM         MMM     AAA      AAA    CCCCCCCCCCCC    RRR         RRR     000000000
MMM         MMM     AAA      AAA    CCCCCCCCCCCC    RRR         RRR     000000000
```

```
MM      MM   AAAAAA      CCCCCCC  MM      MM  SSSSSSSS   GGGGGGGG
MM      MM   AAAAAA      CCCCCCC  MM      MM  SSSSSSSS   GGGGGGGG
MMMM  MMMM  AA      AA   CC       MMMM  MMMM  SS         GG
MMMM  MMMM  AA      AA   CC       MMMM  MMMM  SS         GG
MM  MM  MM  AA      AA   CC       MM  MM  MM  SS         GG
MM  MM  MM  AA      AA   CC       MM  MM  MM  SS         GG
MM      MM  AA      AA   CC       MM      MM  SSSSSS     GG
MM      MM  AA      AA   CC       MM      MM  SSSSSS     GG
MM      MM  AAAAAAAAAA   CC       MM      MM          SS  GG  GGGGGG
MM      MM  AAAAAAAAAA   CC       MM      MM          SS  GG  GGGGGG
MM      MM  AA      AA   CC       MM      MM          SS  GG      GG   ....
MM      MM  AA      AA   CC       MM      MM          SS  GG      GG   ....
MM      MM  AA      AA   CCCCCCC  MM      MM  SSSSSSSS  GGGGGG         ....
MM      MM  AA      AA   CCCCCCC  MM      MM  SSSSSSSS  GGGGGG         ....


LL             IIIIII    SSSSSSSS
LL             IIIIII    SSSSSSSS
LL               II    SS
LL               II    SS
LL               II    SS
LL               II    SS
LL               II      SSSSSS
LL               II      SSSSSS
LL               II            SS
LL               II            SS
LL               II            SS
LL               II            SS
LLLLLLLLLL     IIIIII    SSSSSSSS
LLLLLLLLLL     IIIIII    SSSSSSSS
```

```
   1  !
   2  ! Status codes for MACRO-32 assembler  --  Subsystem 125
   3  !
   4  ! Version:      'V04-000'
   5  !
   6  !*****************************************************************************
   7  !*                                                                          *
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  25  !*                                                                          *
  26  !*                                                                          *
  27  !*****************************************************************************
  28  !
  29  !
  30  ! Modification History:
  31  !
  32  !       V02-001 PCG0007         Peter George               20-Aug-1981
  33  !               Add MLBOPNERR message.
  34  !
  35  !
  36  !
  37  ! Success codes          (Severity level 1)
  38  !
  39
  40          .FACILITY       MACRO,125 /SYSTEM /PREFIX=MAC$_ /MACRO=$MACMSGDEF
  41          .SEVERITY       SUCCESS
  42          .BASE           0
  43
  44          NORMAL          <normal successful completion>
  45
  46  !
  47  ! Warning codes
  48  !
  49
  50          .SEVERITY       WARNING
  51          .BASE           256
  52
  53          DATATRUNC       <Data truncation error>
  54          DIVBYZERO       <Division by zero error>
  55          EXPOVR32        <Expression overflowed 32-bits>
  56          GENWRN          <Generated WARNING: >
```

The address/offset column (left of the line numbers):

```
0000007D   40
           41
           42
           43
007D8001   44
           45
           46
           47
           48
           49
           50
           51
           52
007D8800   53
007D8808   54
007D8810   55
007D8818   56
```

```
007D8820   57          ILLSYMLEN      <Symbol exceeds 31 characters>
007D8828   58          MISSINGEND     <Missing .END statement>
           59
           60  !
           61  ! Error codes
           62  !
           63
           64          .SEVERITY      ERROR
           65          .BASE          512
           66
007D9002   67          ADRLSTSYNX     <Address list syntax error>
007D900A   68          ALIGNXCEED     <Alignment exceeds PSECT alignment>
007D9012   69          ARGTOOLONG     <Argument too long>
007D901A   70          ASCTOOLONG     <ASCII string too long>
007D9022   71          ASGNMNTSYN     <Assignment syntax error>
007D902A   72          BADENTRY       <Bad format for .ENTRY statement>
007D9032   73          BADLEXARG      <Illegal lexical function argument>
007D903A   74          BADLEXFORM     <Illegal format for lexical function>
007D9042   75          BLKDIRSYNX     <Block directive syntax error>
007D904A   76          BLKEXPNABS     <Block expression not absolute>
007D9052   77          BRDESTRANG     <Branch destination out of range>
007D905A   78          CANTLOCMAC     <Can't locate macro in macro libraries>
007D9062   79          DATALSTSYN     <Data list syntax error>
007D906A   80          DIRSYNX        <Directive syntax error>
007D9072   81          EMSKNOTABS     <Entry mask not absolute>
007D907A   82          ENDWRNGMAC     <Statement ends wrong MACRO>
007D9082   83          FLTPNTSYNX     <Floating point syntax error>
007D908A   84          GENERR         <Generated ERROR: >
007D9092   85          IFDIRSYNX      <IF directive syntax error>
007D909A   86          IFEXPRNABS     <IF expression not absolute>
007D90A2   87          IFLEVLXCED     <IF nesting level exceeded>
007D90AA   88          ILLARGDESC     <Illegal operand argument descriptor>
007D90B2   89          ILLASCARG      <Illegal ASCII argument>
007D90BA   90          ILLBRDEST      <Illegal branch destination>
007D90C2   91          ILLCHR         <Illegal character>
007D90CA   92          ILLDFLTARG     <Illegal argument for .DEFAULT directive>
007D90D2   93          ILLEXPR        <Illegal expression>
007D90DA   94          ILLIFCOND      <Illegal IF condition>
007D90E2   95          ILLINDXREG     <Invalid index register>
007D90EA   96          ILLMACARGN     <Illegal MACRO argument name>
007D90F2   97          ILLMACNAM      <Illegal MACRO name>
007D90FA   98          ILLMASKBIT     <Reserved bits set in ENTRY mask>
007D9102   99          ILLMODE        <Illegal mode>
007D910A  100          ILLOPDEF       <Illegal format for .OPDEF>
007D9112  101          ILLOPDEFVL     <Illegal value for opcode definition>
007D911A  102          ILLREGHERE     <This register may not be used here>
007D9122  103          ILLREGNUM      <Illegal register number>
007D912A  104          INVALIGN       <Invalid alignment>
007D9132  105          LINTOOLONG     <Line too long>
007D913A  106          MACLBFMTER     <Macro library format error>
007D9142  107          MAYNOTINDX     <This mode may not be indexed>
007D914A  108          MCHINSTSYN     <Machine instruction syntax error>
007D9152  109          MSGCMAIIF      <Missing comma in .IIF statement>
007D915A  110          MULDEFLBL      <Multiple definition of label>
007D9162  111          NOFORMLARG     <No formal argument for .IRP/.IRPC>
007D916A  112          NOTDECSTRG     <Illegal character in decimal string>
007D9172  113          NOTENABOPT     <Not a legal ENABLE option>
```

MACMSG   Message definitions   L 10
16-SEP-1984 02:22:03 VAX-11 Message V04-00   Page 3
              5-SEP-1984 14:54:39 DISK$VMSMASTER:[MACRO.SRC]MACMSG.MSG;1

```
007D917A  114        NOTENUFOPR    <Not enough operands supplied>
007D9182  115        NOTINANIF     <Statement outside condition body>
007D918A  116        NOTINMACRO    <Statement not in MACRO body>
007D9192  117        NOTLGLISOP    <Not a legal listing option>
007D919A  118        NOTPSECOPT    <Not a valid PSECT option>
007D91A2  119        OPRNDSYNX     <Operand syntax error>
007D91AA  120        PACTOOLONG    <Packed decimal string too long>
007D91B2  121        PSECOPCNFL    <Conflicting PSECT options>
007D91BA  122        PSECBUFOVF    <PSECT context buffer overflow>
007D91C2  123        PSECBUFUND    <PSECT context buffer underflow>
007D91CA  124        REGOPSYNX     <Register operand syntax error>
007D91D2  125        RPTCNTNABS    <Repeat count not absolute>
007D91DA  126        SYMDCLEXTR    <Symbol declared external>
007D91E2  127        SYMDEFINMO    <Symbol is defined in module>
007D91EA  128        SYMNOTABS     <Symbol is not absolute>
007D91F2  129        SYMOUTPHAS    <Symbol out of phase>
007D91FA  130        TOOMNYARGS    <Too many arguments in MACRO call>
007D9202  131        TOOMNYOPND    <Too many operands for instruction>
007D920A  132        TOOMNYPSEC    <Too many PSECTs declared>
007D9212  133        UNDEFSYM      <Undefined symbol>
007D921A  134        UNDEFXFRAD    <Undefined transfer address>
007D9222  135        UNRECSTMT     <Unrecognized statement>
007D922A  136        UNTERMARG     <Unterminated argument>
007D9232  137        UNTERMCOND    <Unterminated conditional>
007D923A  138        MLBOPNERR     <Error opening macro library>
          139
          140        .END
```

141

There were 0 errors, 0 warnings, and 0 informational messages issued.
MESSAGE/FILE_NAME=PRGDEVMSG/LIS=LIS$:MACMSG/OBJ=OBJ$:MACMSG MSRC$:MACMSG

MACLIB
LIS

MAIN
LIS

LINK
LIS

INTOUT
LIS

IODAT
LIS

MACMSG
LIS

P2ACT1
LIS

MACLIN
LIS

LRPTAB
LIS

OHDOUT
LIS

MACDEF
LIS

MACSUB
LIS